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(12) **United States Patent**
Lee

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(54) **BONE PEN, BONE PIN, BONE PEN SET,
BONE PIN SET AND BONE PEN KIT
INCLUDING THE SAME AND INITIAL
DRILL**

(58) **Field of Classification Search**

CPC .. A61C 1/084; A61C 3/02; A61C 3/04; A61C
8/0006; A61C 8/0089; A61B 17/1617;
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(Continued)

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 177 days.

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(57) **ABSTRACT**

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(Continued)

A bone pen includes a pen which is coupled to a user's handpiece and comprises a drill section provided at an end portion thereof to drill to an alveolar bone; a cup which has an accommodating space to hold therein bone particles harvested during the drilling operation, has an outer diameter corresponding to a mesiodistal diameter of a patient's tooth targeted for treatment, and coupled to the pen so that the accommodating space can surround the drill section; and a spring which is supported at one side of the pen and elastically supports the cup with regard to the pen, wherein the drill section of the pen is positioned at a central axis line

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(52) **U.S. Cl.**

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